

24V 315Ah Battery Module

GTX Series Batteries



CAT # GTX24V315A-F24



KEY BENEFITS

- + **Cell-Level Safety:** Premium matched Lithium Iron Phosphate (LiFePO₄) Cells optimized for safety and long cycle life
- + **NeverDie® Battery Management System:** Smart BMS technology continuously monitors and protects to maximize battery lifespan
- + **Fire & Crush Tested:** Aluminum Alloy Enclosure meets UL 1973 Certification

Reliable Power, Unmatched Versatility

Our batteries feature easy expandability for extended run times and deliver dependable performance, even in extreme temperatures.

Battery Details

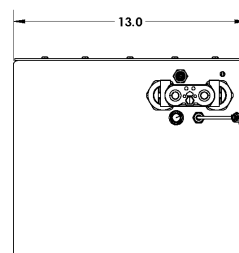
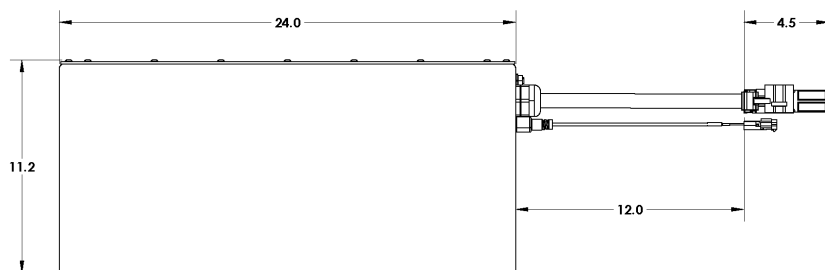
315Ah at 25.6V
8,064 Watt-Hours



UL 1973 Certified
for Motive Applications¹

DIMENSIONS

Size (L x W x H)	24.0" x 13.0" x 11.2"	609.6mm x 330.2mm x 284.5mm)
Weight	144.0lbs	65.3kg



SPECIFICATIONS

NOMINAL VOLTAGE AND CAPACITY

25.6V 315Ah 8,064Wh

SHIPPING

UN3480, Class 9

CERTIFICATIONS

UNDOT	UN38.3
UL	UL1973 (battery assembly), UL1642, UL1973 (cells)

INTERNAL HEATER

Power Rating	70W
Nominal Input Voltage	12V
Input Current	5.8A
Thermostat On/Off (Internal)	<43°F (6°C) On, >48°F (9°C) Off

MECHANICAL

Mounting Orientation	Upright position only (black lid up)
Enclosure Material	0.09"Aluminum 5052
Enclosure Corrosion Protection	Iridite Chromate Conversion Coating + Powdercoat Paint
Ingress Protection	IP66

STORAGE

Refer to the Lithionics® Website for the Storage Procedure

ELECTRICAL

Internal Resistance	<3mΩ
Coulombic Efficiency	99%
Self-Discharge Rate (per month)	<3%
Cell Type	LiFePO ₄ Prismatic Cells
Power Connection	Anderson A320 Female
Series Connection	Supported when paired with a compliant BMS

CHARGE

Charge Voltage	28.8V ±0.4V
Operating Temperature Range	32°F (0°C) to 140°F (60°C) (Ambient -4°F (-20°C) with Heater Power)
Recommended Charge Current ²	<157.5A
Float Voltage	27.2V ±0.4V
Max Charge Current ²	<315A

DISCHARGE

Operating Voltage Range	23.2V to 28.8V ±0.4V
Operating Temperature Range	-4°F (-20°C) to 140°F (60°C)
Recommended Discharge Current	<157.5A
Max Discharge Current ²	<315A
Pulse Current (1 second)	<3,150A
Low Voltage Cut-Off	23.2V ±0.4V

1. UL 1973 Certified: Battery is UL 1973 Certified when used with external circuit breaker and ampseal connector.
2. Maximum charging and discharging rates dependent upon the ambient temperature and usage. UL1973 testing: Maximum charge and discharge currents were tested at 25°C/77°F.

CAT # NDV9

BMS Advanced Features

- External Battery Management System (BMS) for enhanced safety and monitoring
- Bluetooth connectivity for real-time diagnostics
- State-of-Charge (SoC) monitoring to prevent unexpected shutdowns
- High current capability up to 400A for versatile applications
- Remote monitoring app (Google Play and Apple App Store)

BMS required.
Sold separately.



DS-012